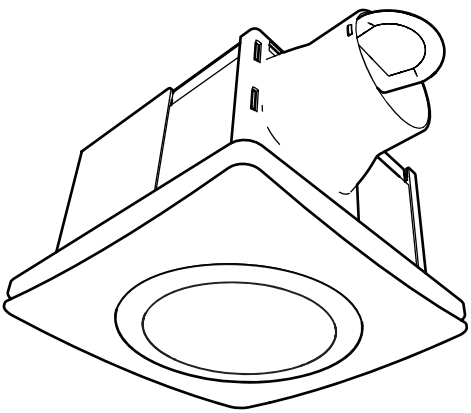
HIMPEL

Made in Korea

ZEROC™

LED Lighting Ventilation Fan



User Manual

- Thanks for your purchase of a product of HIMPEL Co., Ltd.
- Please read this instruction manual carefully before use so that you may use the product long, more conveniently and safely.
- You must read 「Cautions for Safe」 before use and use the product correctly.
- Model: FZA-L110S

☞ For more detailed information of service request or any inquiry, please contact purchasing place.

Instructions for Safety

This manual covers safety instructions, installation methods, etc. for bathroom ventilation fans that we manufacture and sell. Please read the instructions, operation and how to check in this user manual carefully and then use the product.
This product is a ventilation system to discharge contaminated air in a bathroom and toilet of buildings such as an apartment house, a multipurpose building, commercial buildings, offices and it is a product to realize a comfortable indoor environment by constantly discharging contaminated air.

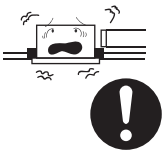
Warning / Caution

Warning! If the instructions are not followed, it may result in death or serious injury to the user.	It is a symbol to draw attention to issues and operation that concern the risk of harm. In order to avoid the occurrence of hazards, please look carefully and follow the instructions.
Caution! If the instructions are not followed, it may result in personal injury or property damage to the user.	It is a symbol that shows how to use to prevent the risk.

Warning

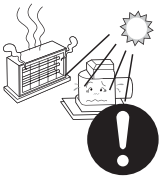
Do not disassemble Please do not attempt to disassemble, repair or modify a product arbitrarily. It may result in fire, electric shock and injury.	No wet hands Please do not operate the power switch with wet hands. Electric shock or injury may be caused.
Get grounding connection. It may cause damage to the product and electric shock.	If the power cord is damaged, please stop using. There is a risk of safety, so please contact the A/S center contact and use it after replacing the code.
Do not allow water to enter electrical parts (motors, etc.). It may cause equipment failure and an electric shock.	If the gas leaks, please do not turn on or off the switch of a fan. The spark of a switch may cause an explosion of the gas.
During installation and trimming, please make sure to turn off the power. Electric shock or injury may be caused.	

Caution

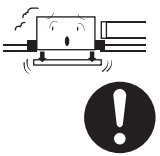


Please check if the installation of ceiling support and brace bar is correct.
Due to poor installation of a product, the product may fall.

Do not use it for the direct discharge in a place where there are a lot of fumes.
The life of the product may be shortened.



Please do not use for a long period of time around heaters or in a place the ambient temperature is over 40 ℃.
The product may be transformed or the insulation of electrical parts may be damaged.

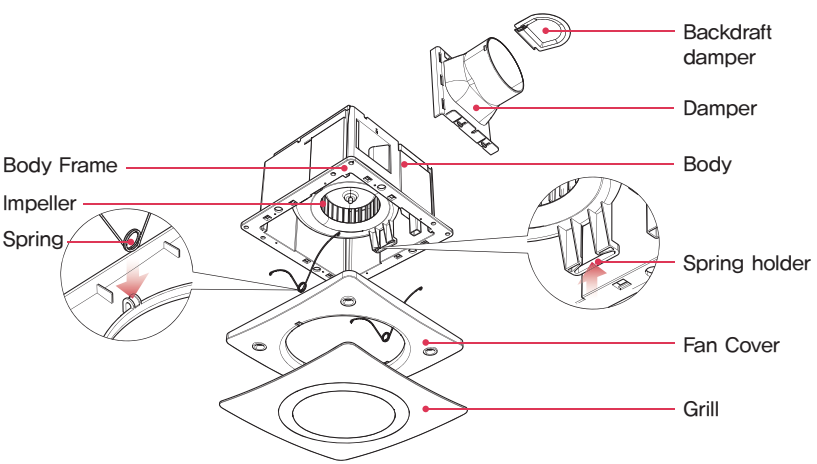


Please make sure that the main body and grill are installed correctly.
Dropping may cause injury.

During operation, please do not put fingers or objects in the wings.
Equipment failure and injuries may be caused.

Do not clean using thinner, benzene, chemicals, etc.
Fire, deformation, discoloration may occur.

Names of Parts



Installation of the Product

This product is a unit which is installed on the ceiling in the interior space of the room to exhaust contaminated air to the outside.

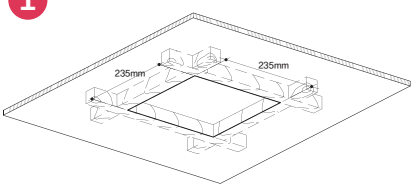
This product should be installed on the ceiling surface 2-3m high from the floor, so please be careful of the product safety to prevent it from crashing or falling during the installation of the product.

Before installation, please secure installing location and space and then check for abnormal sound of the product, for opening and closing of the damper, and other abnormalities.

Installation Order

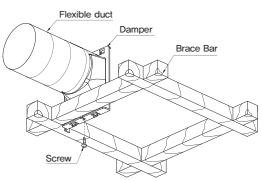
▶ With cassette type of installation, it can also be easily extended to branches, and there is no need for access door, so it is easy to install and maintain.

1



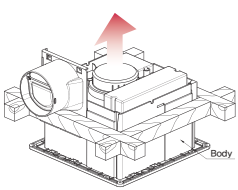
- Ceiling construction conditions
  Making a hole, 235 X 235mm of the ceiling and installing brace bar on the top.

2



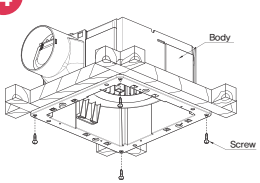
- Connect flexible duct to outlet.
- Fix displayed outlet location with screws as shown in the figure.

3



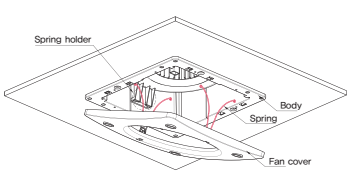
- Insert the body to the top in the direction of the arrow according to the outlet and inlet guide.

4



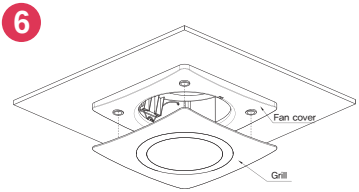
- After inserting the body, fix the body on the ceiling using the screws.

5



- Fix the grill by connecting 2 springs to the spring holder.

6



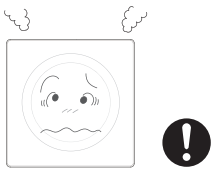
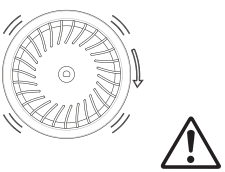
- Insert the grill cover on the grill according to the direction of the hook, and installation will be completed.

Product Specifications

Product	Static Pressure Ventilation Fan LED Lighting
(Zeroc)Model	FZA-L110S
Power consumption	Ventilation fan: 40W / Lighting: 9W
Illumination	130~150Lux
Size of opening	235*235mm (±5mm)

※ The specifications and performance of the product are subject to change without notice to improve the quality.

Precautions when using the product

	In the event of strange sound, odor or smoke when using the product, please turn off the main power immediately and contact the A/S Center. There is a risk of fire or electric shock.
	The noise of the fan can be more increased or decreased slightly than usual time. This is a normal situation because the number of fan revolutions changes for constant exhaust.

Maintenance of the Product

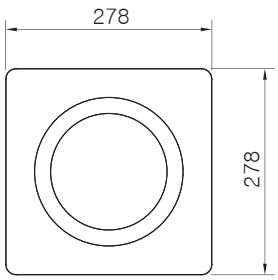
Around fans, grill, etc. may easily be contaminated with dust and fumes, so please keep cleaning every 2-3 months on a regular basis.
(However, the cleaning cycle can vary depending on the degree of contamination.)

Precautions for Maintenance

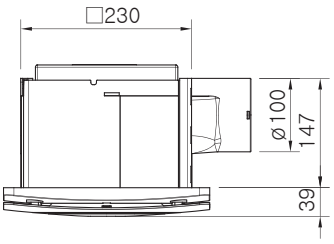
- For safety reasons, please turn off the main power before cleaning the inside of the pan.
- When cleaning, please make the water not enter the inside of the body.
- Please use neutral detergent to clean the grill.
- Please make sure to wear gloves for the maintenance.

Product Specifications

Grill Dimensions



Product Dimensions



Checklist Prior to Reporting Faults

Status	Causes	Corrective Actions
Non -operating	1. Blackout	Please wait until the power is turned on.
	2. The power switch is off.	Please make sure that fan switch is in the ON position.
Big noise	1. The horizontal fixation of a fan is poor.	Re-install the fan horizontally and fix the screws completely.
	2. Duct is sharply bent.	Please spread the duct in the discharge side slowly.

MEMO

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☞ For more services and consultation, please contact the purchasing place